

Notice of Allowability

Application No.

09/532,352

Examiner

Jean E. Lesperance

Applicant(s)

ENDO ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed May 22, 2006.
2. ☒ The allowed claim(s) is/are 39-46, 48, and 49, and renumbered as 1-10.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 6-2-03, 2-18-05, 6-23-05, 7-28-05
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

- 8-2-05, 11-12-03, 2-28-05
5. ☐ Notice of Informal Patent Application (PTO-152)
 6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
 7. ☐ Examiner's Amendment/Comment
 8. ☒ Examiner's Statement of Reasons for Allowance
 9. ☐ Other _____.

RICHARD HJERPE

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

DETAILED ACTION

1. The amendment filed May 22, 2006 is entered and claims 39-46, 48, and 49 are pending.

Allowable Subject Matter

2. Claims 39-46, 48, and 49 are allowed.
3. The following is an examiner's statement of reasons for allowance: the claimed invention is directed to a display device.

Independent claim 39 identifies a uniquely distinct feature "a flexible circuit board substantially accommodated within the extended portion in plan view and mounted with an electronic component that overlaps the data signal driver integrated circuit in plan view, the flexible circuit board having an opposing side that at least partially opposes the data signal driver integrated circuit and a signal output terminal provided adjacent an edge of the opposing side, the signal output terminal being electrically connected to the input line at a position of the extended area between one of the short sides of the extended area and the mounting position of the data signal driver integrated circuit".

Independent claim 45 identifies a uniquely distinct feature "a flexible circuit board substantially accommodated within the second extended portion in plan view and mounted with an electronic component that overlaps the data signal driver integrated circuit in plan view, the flexible circuit board having a signal output terminal adjacent one lengthwise edge and a scanning output terminal adjacent the opposite lengthwise

edge, the flexible circuit board having an opposing side that at least partially opposes the data signal driver integrated circuit, the signal output terminal being provided at the opposing side, the signal output terminal being electrically connected to the input line at a position of the second extended area between one of the short sides of the second extended area and the mounting position of the data signal driver integrated circuit, the scanning output terminal being electrically connected to the scanning driver integrated circuit”.

Independent claim 46 identifies a uniquely distinct feature “wherein one end of the input line is connected to the bump of the integrated circuit and the other end of the input line is connected to a terminal on the flexible circuit board”.

The closest arts, Sugimoto et al and Kishigami as discussed in the previous Office action, either singularly or in combination, fail to anticipate or render the above underlined limitations obvious.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean Lesperance whose telephone number is (571) 272-7692. The examiner can normally be reached on from Monday to Friday between 10:00AM and 6:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

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supervisor, Richard Hjerpe, can be reached on (571) 272-7691.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(571) 273-8300 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal drive, Arlington, VA, Sixth Floor (Receptionist).


Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Jean Lesperance



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Date 6/5/2006



RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600